Sequential Containers Exercises

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Sequential Containers

- Briefly describe the general features of the array-like containers in the C++ standard library

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List-like Containers

- Briefly describe the general features of std::list

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std::deque

- Briefly describe how std::deque differs from std::vector

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Deque example

- Write a program which
  - Creates a deque of int
  - Adds some values to it, at both the front and the back, then displays the number of elements
  - Sorts the deque
  - Finds an element with a given value and inserts a new element before it
  - Removes the first element
  - Clears the deque and displays the number of elements
- After each operation, display all the elements of the deque

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List example

- Write a program which
  - Creates a list of int
  - Adds some values to it, at both the front and the back, then displays the number of elements
  - Sorts the list
  - Finds an element with a given value and inserts a new element before it
  - Removes the first element
  - Clears the list and displays the number of elements
- After each operation, display all the elements of the list

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